

Application No. 10/697,982

Attorney Docket No.: SYNP 0439-1

**CERTIFICATE OF TRANSMISSION UNDER 37 CFR 1.8**

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Kathryn Marley

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of inventor(s):

Christoph Zechner

Application No. 10/697,982

Confirmation No. 8961

Filing Date: 31 October 2003

Title: Method for Simulating the Movement  
of Particles

Group Art Unit: 2877

Examiner: Layla G. Lauchman

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**RECEIVED  
USPTO-PG PUBS****OCT 18 2006****REQUEST FOR CORRECTED PUBLICATION**

Sir:

The referenced application was published as US 2005/0094141. There are errors in two equations in the publication which resulted from Patent Office errors. Applicant respectfully requests that the following amendments be made to the publication in order to have the patent issue with the correct information.

Equation (5) read correctly as follows in paragraph [0065] of the originally filed application:

$$\frac{dIn_{conc.}}{dt} = \text{div}(\text{grad}(C) \cdot \delta \cdot \varepsilon \cdot In_{conc.}) + \text{div}(D(T, C) \cdot \text{grad}(In_{conc.}))$$

However, Equation (5) was published as shown below in paragraph [0079] of the publication:

$$\frac{dIn_{conc.}}{dt} = -\text{div}(\text{grad}(C) \cdot \delta \cdot \varepsilon \cdot In_{conc.}) + \text{div}(D(T, C) \cdot \text{grad}(In_{conc.}))$$

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As can be seen, there is an added subtraction symbol (-) after the equals (=) sign and before the word "div" in the published version. Please amend the publication to correctly reflect the equation in the patent when it issues.

Line 8 of paragraph [0067] read correctly as follows in the originally filed application:

$$D(T, C) = 4.655 \cdot 10^{-18} \cdot (1.0 + 3 \cdot 10^7 \cdot (1 - C) \cdot C) \text{ cm}^2 / s$$

However, this equation was published incorrectly in paragraph [0087] of the publication as follows:

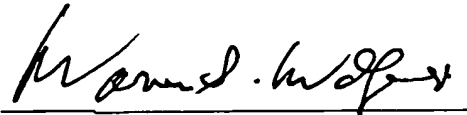
$$D(T, C) = 4.655 \cdot 10^{-18} \cdot (1.0 \pm 3 \cdot 10^7 \cdot (1 - C) \cdot C) \text{ cm}^2 / s$$

As can be seen, instead of "1.0 + 3" the publication contains "1.0 ± 3". Please amend the publication to correctly reflect the equation in the patent when it issues.

It is respectfully requested that these changes be made expeditiously as the Issue Fee is due on 20 October 2006, and in order to be effective, the changes must be made prior to publication of the patent.

The Commissioner is hereby authorized to charge any fee determined to be due in connection with this communication, or credit any overpayment, to our Deposit Account No. 50-0869 (SYNP 0439-1).

Respectfully submitted,



Warren S. Wolfeld, Reg. No. 31,454

Dated: 18 October 2006

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